If you are using a printed copy of this procedure, and not the on-screen version, then you <u>MUST</u> make sure the dates at the bottom of the printed copy and the on-screen version match.

The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.

Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ

Training Office, Bldg. 911A.

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.6.d 6 O'Clock (PEER 7) Sweep Tests

C-A-OP	M Procedures in v	which this Attachmen	t is used.
4.120.6			
	Hand Proce	essed Changes	
HPC No.	<u>Date</u>	Page Nos.	<u>Initials</u>
	Approved:	Signature on F	ile
		er-Accelerator Depar	

V. Castillo

4.120.6.d 6 O'Clock (PEER 7) Sweep Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:	Checksum:
Division B Software Filename and Checksum: Title:	Checksum:
Initial testing complete:	
Test Team Leader's Name (Print):	Life Number:
Test Team Leader's Name (Sign):	
Acceptance test procedure complete (following repairs and retesting if required)):
Test Team Leader's Name (Print):	Life Number:
	_
Test Team Leader's Name (Sign):	
	-
Test results reviewed by:	
Safety Section Head's Name (Print):	Life Number:
Safety Section fread's Name (1 lint).	
Safety Section Head's Name (Sign):	Date://
Safety Section fread a Name (Sign).	<i>Date</i>
Test results accepted by Radiation Safety Committee:	
	- 10 - 1
RSC Member's Name (Print):	Life Number:
DOGWALAN (C)	D. (
RSC Member's Name (Sign):	Date:/

1.1 Test for Sweep of Zone 5Z1

	CLOSE	Gates 5GS1-I/O, 5EL1, 5GE1, YGI1 and 5ED1	
	VERIFY	Gates 5GS1-I/O, 5EL1, 5GE1, YGI1 and 5ED1 are	CLOSED
	RESET	Gates 5EL1 and 5ED1	
	VERIFY	Gates 5EL1 and 5ED1 are	RESET
	PLACE	Peer 7 in Mode 16	
	VERIFY	Peer 7 is in Controlled Access	MODE 16
	ACTIVATE	Check station 5CS1	
	VERIFY	Check station 5CS1 indicator (Area Secured)	BLINKS ONCE
	ACTIVATE	Check station 5CS2	
	VERIFY	Check station 5CS2 indicator (Area Secured)	BLINKS ONCE
	ACTIVATE	Check station 5CS3	
	VERIFY	Check station 5CS3 indicator (Area Secured)	BLINKS ONCE
	ACTIVATE	Check station 5CS4	
	VERIFY	Check station 5CS4 indicator (Area Secured)	BLINKS ONCE
	ACTIVATE	Check station 5CS5	
	VERIFY	Check station 5CS5 indicator (Area Secured)	BLINKS ONCE
	EXIT	Gate 5GE1 with Simultaneous Release	
	VERIFY	MCR sees Zone 5Z1	SWEPT

☐ Check for acceptance of test of Sweep of Zone 5Z1

1.2 Test for Sweep of Zone 6Z1

	CLOSE VERIFY	Gates 6GE1, 6GE2 and 6MD1 Gates 6GE1, 6GE2 and 6MD1	CLOSED
	RESET VERIFY PLACE	Gate 6MD1 Gate 6MD1 is Peer 7 in Mode 16	RESET
	VERIFY ACTIVATE	Peer 7 is in Controlled Access Check station 6XCS1	MODE 16
	VERIFY ACTIVATE	Check station 6XCS1 indicator (Area Secured) Check station 6XCS2	BLINKS ONCE
	VERIFY ACTIVATE	Check station 6XCS2 indicator (Area Secured) Check station 6XCS3	BLINKS ONCE
	VERIFY ACTIVATE	Check station 6XCS3 indicator (Area Secured) Check station 6XCS4	BLINKS ONCE
	VERIFY IF	Check station 6XCS4 indicator (Area Secured) Star Detector is in place:	BLINKS ONCE
	ACTIVATE VERIFY	Check station 6XCS5 Check station 6XCS5 indicator (Area Secured)	BLINKS ONCE
	ACTIVATE VERIFY	Check station 6XCS6 Check station 6XCS6 indicator (Area Secured)	BLINKS ONCE
	ACTIVATE VERIFY	Check station 6XCS7 Check station 6XCS7 indicator (Area Secured)	BLINKS ONCE
П	Otherwise ACTIVATE VERIFY	Go directly to: Check station 6XCS8 Check station 6XCS8 indicator (Area Secured)	BLINKS ONCE
	EXIT VERIFY	Gate 6GE2 with Simultaneous Release MCR sees Zone 6Z1	SWEPT
	VEXIF I	WICK SECS ZOIL UZI	SWEII

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☐ Check for acceptance of test of Sweep of Zone 6Z1

	_	CLOSE	Gates 6ED1, XGI2, 6GE3, 6EL1, 6ED2 and 7GS1-I/O	CT C CTT		
		VERIFY	Gates 6ED1, XGI2, 6GE3, 6EL1, 6ED2 and 7GS1-I/O are	CLOSED		
	_	RESET	Gate 6ED1, EL1and 6ED2	DECEM		
		VERIFY	Gates 6ED1, EL1 and 6ED2 are	RESET		
	_	PLACE	Peer 7 in Mode 16	MODE 16		
		VERIFY	Peer 7 is in Controlled Access	MODE 16		
	_	ACTIVATE VERIFY	Check station 6CS6 Check station 6CS6 indicator (Area Secured)	BLINKS ONCE		
		ACTIVATE	Check station 6CS5	DLINKS ONCE		
	п	VERIFY	Check station 6CS5 indicator (Area Secured)	BLINKS ONCE		
		ACTIVATE	Check station 6CS3	DLINKS ONCE		
		VERIFY	Check station 6CS3 indicator (Area Secured)	BLINKS ONCE		
	Ц	ACTIVATE	Check station 6CS4	BEIT (ILS OTTOE		
		VERIFY	Check station 6CS4 indicator (Area Secured)	BLINKS ONCE		
		ACTIVATE	Check station 6CS2			
		VERIFY	Check station 6CS2 indicator (Area Secured)	BLINKS ONCE		
	_	ACTIVATE	Check station 6CS1			
		VERIFY	Check station 6CS1 indicator (Area Secured)	BLINKS ONCE		
		EXIT	Gate 6GE3 with Simultaneous Release			
		VERIFY	MCR sees Zone 6Z2	SWEPT		
_		71 1 C				
	•	neck for accep	ptance of test of Sweep of Zone 6Z2			
1.4	,	Test for loss of sweep in adjacent zones: 4Z2, 5Z1, with illegal opening of gate 5GS1-I				
		DI AGE	D 700: 35 1 0			
	_	PLACE	Peers 7 & 9 in Mode 2	MODE 4		
	Ö	VERIFY	Peers 7 [] & 9 [] are in Safe Access	MODE 2		
		VERIFY	The warning lights and LED message: Stop Call MCR for Access X-7400 Stop on both sides of the gate are	ON		
		VERIFY	The warning light on both sides of 5GS1-O indicate	ON		
	Ш	V EIGHT 1	Call MCR for crossover Amber	ON		
		SWEEP	Zones 4Z2 & 5Z1			
	_	VEDIEV	7 473 🗖 0 571 🗖	CWEDT		
		VERIFY	Zones 4Z2	SWEPT		
		VERIFY	Area Secured (S11) Amber	ON		
			Area Secured (S11) Amber	ON		
			Area Secureu (S10) Amber	OIV		
		OPEN	Gate 5GS1-I without a Simultaneous Release			
		VERIFY	MCR sees Zone 4Z2 is	NOT SWEPT		
		VERIFY	MCR sees Zone 5Z1 is	NOT SWEPT		
		VERIFY	MCR sees Peer 7 remains in	MODE 2		
		VERIFY	MCR sees Peer 9 remains in	MODE 2		
		VERIFY	5GS1 gatebox lights are:			
	П	, LIXII I	Area Secured (S11) Amber	OFF		
			Area Secured (S10) Amber	OFF		
		CLOSE	Gate 5GS1-I			
	C	heck for accep	tance of test for loss of sweep in adjacent Zones: 4Z2, 5Z1, with illega	ol opening of		
	9	gate 5GS1-I.				

Test for Sweep of Zone 6Z2

1.3

1.5		l est for retenti	ion of sweep in adjacent Zo	nes: 4ZZ,	, 5Z1, with proper opening of g	gate 5GS1-1
		The warning lights and LED message: Stop Call MCR for Access X-7400 Stop on both sides of the gate 5GS1-I are			MODE 16 ON	
	Ц	SWEEP	Call MCR Zones 4Z2 & 5Z1			ON
		VERIFY VERIFY	Zones 4Z2 [] & 5Z1 [] at 5GS1 gatebox lights are: Area Secured (S11)	re Amber	П	SWEPT ON
			Area Secured (S10)	Amber		ON
		OPEN	Gate 5GS1-I with a Simu	ltaneous 1	Release	
		VERIFY VERIFY VERIFY VERIFY	MCR sees Zone 4Z2 is MCR sees Zone 5Z1 is MCR sees Peer 7 remains MCR sees Peer 9 remains			SWEPT SWEPT MODE 16 MODE 16
		VERIFY CLOSE	5GS1 gatebox lights are: Area Secured (S11) Area Secured (S10) Gate 5GS1-I	Amber Amber		ON ON
		Theck for accep f gate 5GS1-I	otance of test for retention (of sweep i	in adjacent Zones: 4Z2, 5Z1, w	ith proper opening
			END OF	F TEST P	PROCEDURE	
TTL:	Sigr	n for completio	n of initial testing:			
	D	ate:/	_/			
TTL:	Sigi	n for completion	on of final testing:			
		eate:/				
	J					